

CLAIM AMENDMENTS

1-24 (canceled)

25. (new) A flotation cell for use in the flotation of slurry-like material, such as ore and concentrate containing valuable minerals, the flotation cell comprising:

    a rotor mounted to rotate about an axis, and

    a stator including at least three structural elements angularly spaced apart around the rotor,

    wherein each structural element comprises at least two flow regulators and a supporting structure by which the structural element is connected to the flotation cell or to a stator fastening structure in the flotation cell,

    and the flow regulators of each structural element are disposed substantially parallel to each other.

26 (new) A flotation cell according to claim 25, wherein the flow regulators of each structural element are interconnected by the supporting structure, which is attached to the flow regulators at one end of the structural element.

27. (New) A flotation cell according to claim 25, wherein the flow regulators of each structural element are identical in cross-section.

28. (new) A flotation cell according to claim 25, wherein at least two flow regulators of each structural element are different in cross-section.

29. (new) A flotation cell according to claim 25, wherein each flow regulator has an inner edge and an outer edge, the inner edge of the flow regulator is closer to the axis of rotation of the rotor than the outer edge, each structural element includes one flow regulator of which the inner edge is closer to said axis of rotation than the inner edge of another flow regulator of that structural element, and the structural

elements are positioned around the rotor so that for each structural element the inner edge that is nearest the axis of rotation is at substantially the same distance from said axis of rotation as the inner edge of the flow regulator of another structural element.

30. (new) A flotation cell according to claim 25, wherein the stator is composed of structural elements installed on two different levels around the rotor.

31. (new) A flotation cell according to claim 25, wherein each structural element is manufactured by casting in one single piece.

32. (new) A flotation cell according to claim 25, wherein each structural element has first and second opposite ends, and each structural element comprises a supporting structure attached to and interconnecting the flow regulators at the first end of the structural element, and a connecting element interconnecting the flow regulators at the second end of the structural element.

33. (new) A stator for a flotation cell according to claim 29, wherein a structural element is manufactured by separately casting the flow regulators, the supporting structure and the connecting element and assembling the flow regulators, the supporting structure and the connecting element to form the structural element.

34. (new) A flotation cell according to claim 33, wherein the flow regulators and the supporting structure are interconnected by welding.

35. (new) A flotation cell according to claim 33, wherein the flow regulator, the supporting structure and the connecting element are interconnected by welding.

36. (new) A flotation cell according to claim 25, wherein the structural elements are positioned around the rotor so that a tangential slurry jet emitted from the rotor is directed towards at least one flow regulator in order to prevent the slurry jet from flowing directly through the stator.